

ULTRASONIC FLOWMETER

Publication number: JP2003279396 (A)

Publication date: 2003-10-02

Inventor(s): ISHIKAWA HIROAKI; HASEGAWA HIROSHI +

Applicant(s): KAUJO KK +

Classification:

- International: G01F1/66; G01F1/712; G01F1/66; G01F1/704; (IPC1-7): G01F1/66; G01F1/712

- European:

Application number: JP20020083176 20020325

Priority number(s): JP20020083176 20020325

Abstract of JP 2003279396 (A)

PROBLEM TO BE SOLVED: To provide an ultrasonic flowmeter which realizes high speed processing while ensuring measurement precision. ; **SOLUTION:** In the ultrasonic flowmeter, an ultrasonic signal is made to propagate to an upstream side and a downstream side of fluid inside of a measuring object, and a flow speed and a flow rate of the fluid are measured from a propagation time in the upstream direction, a propagation time in the downstream direction and propagation time difference of them. The flowmeter is provided with a propagation time detecting process for detecting the propagation time in the upstream direction and the propagation time in the downstream direction with low precision, and a process for detecting the propagation time difference of them with high precision by using a calculating method different from the propagation time detecting process. ; **COPYRIGHT:** (C)2004,JPO



Data supplied from the **espacenet** database — Worldwide